



South Central Regional Office

2008 Impaired Waters

Roanoke River

Cause Group Code: L78R-01-DO

Roanoke River from the John H. Kerr Dam to the Smith Creek confluence.

City / County: Mecklenburg Co.

Use(s) Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved/ 4B

Station ID: 4AROA018.04 4/35 violation rate for DO

4AROA012.08 7/66 violation rate for DO

4AROA008.66 7/25 violation rate for DO

The DO standard violations in this segment are seasonal, occurring only during the summer months, and are attributed to the releases of hypolimnetic water through John H. Kerr Dam when the reservoir is stratified. The US Army Corps of Engineers, who own and operate the dam, have contracted rehabilitation work at the dam. The rehabilitation includes measures to increase the Dissolved Oxygen levels in the water that passes through the dam.

The alternative controls that are anticipated at the dam constitute the Category 4B designation.

Roanoke River		Reservoir (Acres)	River (Miles)
Category 4B	Aquatic Life		
Oxygen, Dissolved - Total Impaired Size by Water Type:		1,380.64	5.72

Sources: Dam or Impoundment

*Header Information: Location, City/County, Cause/VA Category and Narratives; describe the entire impairment per Cause. Other specific Cause Categories are listed to illustrate Category 5 Causes may be present within the same Cause Group Code. Sizes listed are per impaired Cause Category 4s only. Total impaired water size per Cause may be greater or less than sizes listed here (Categories 5 and 4 combined).



South Central Regional Office

2008 Impaired Waters

Roanoke River, Lake Gaston

Cause Group Code: L80L-01-PCB

Roanoke River from the John H. Kerr Dam to the VAVNC state line including a portion of Lake Gaston.

City / County: Mecklenburg Co.

Use(s): Fish Consumption

Cause(s) / VA Category: PCB in Fish Tissue/ 5A

Station ID: 4AROA018.04 1999 FT/Sed PCB 1 Species

4AROA004.54 2002 FT/Sed PCB 1 Species & 2006 FT/Sed PCB 1 Species

Roanoke River, Lake Gaston

Reservoir*
(Acres)

River*
(Miles)

Category 5A Fish Consumption

PCB in Fish Tissue - Total Impaired Size by Water Type: 4,465.84

5.72

Sources: Source Unknown

*Header Information: Location, City/County, Cause/VA Category and Narratives; describe the entire impairment per Cause. Other specific Cause Categories are listed to illustrate Category 4A, 4B or 4C Causes may be present within the same Cause Group Code. Sizes listed are per impaired Cause Category 5 only. Total impaired water size per Cause may be greater or less than sizes listed here (Categories 5 and 4 combined).